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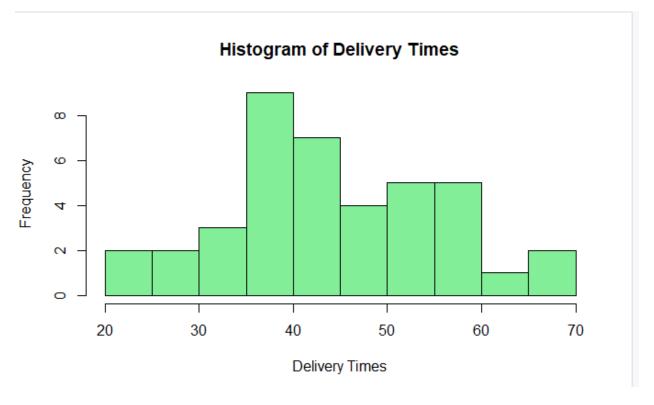
PS Lab Sheet 05

Exercise

1. Import the dataset ('Exercise-Lab 05.txt') into R and store it in a data frame called "Delivery_Times".

2. Draw a histogram for deliver times using nine class intervals where the lower limit is 20 and upper limit is 70. Use right open intervals.

```
> Delivery_Times<-read.table("Exercise - Lab 05.txt",header=TRUE)
> print(Delivery_Times)
   Delivery_Time_.minutes.
2
                             54
                             47
4
5
                             29
                             39
6
                             61
                             20
8
                             40
9
                             57
10
                             36
11
                             38
                             44
12
13
                             59
14
                             38
15
                             40
16
                             40
                                                     > hist(Delivery_Times$Delivery,
17
                             67
18
                             66
                                                              breaks = seq(20, 70, by = 5),
                                                             right = FALSE,
main = "Histogram of Delivery Times",
19
                             55
20
                             48
                                                             xlab = "Delivery Times",
21
                             52
                                                             ylab = "Frequency",
col = "lightblue",
border = "black")
22
                             59
23
                             35
24
                             56
25
26
                             32
                                                     > hist_data <- hist(Delivery_Times$Delivery,</pre>
                             38
                                                                             breaks = seq(20, 70, by = 5),
27
                             54
                                                                             right = FALSE,
plot = FALSE)
28
29
                             30
                             43
30
                             36
31
                             42
32
                             20
33
                             27
34
                             38
```



3. Comment on the shape of the distribution.

```
#Question 03
#The distribution appears to be slightly right-skewed with a peak around 35-40 minutes.
```

4. Draw a cumulative frequency polygon (ogive) for the data in a separate plot.

